

# High Performance Sustainable Schools

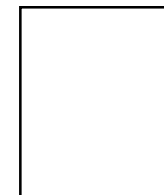
*Costs and Benefits  
Practices and Successes*

**MARCH 18-19, 2008**

**Louisville Marriott East  
Louisville, Kentucky**

*You've got one chance . . . only one chance, to build the best school for your students*

Governor's Office of Energy Policy  
500 Mero Street, 12th Floor  
Frankfort, Kentucky 40601



## **TUESDAY, MARCH 18**

### **NEW CONSTRUCTION**

8:30 am - lunch

#### **Building a High Performance School**

Ron Bratlie will describe the characteristics and benefits of a high performance school. You will hear how the Minnesota school district built their sustainable schools at no additional construction cost while improving the learning environment.

After lunch - 5:00 pm

#### **Building the School of the Future**

What if you could fund improvements for your next school based on its energy savings for years to come? A team of Kentucky engineers will explore and open for discussion the concept, design, technologies and commitment required to make such a school a reality.

## **WEDNESDAY, MARCH 19**

### **TRACK 1: NEW CONSTRUCTION**

8:00 am - lunch

#### **High Performance Design**

Learn about integrated building design and the systems that help achieve a high performance school—solar water heating, efficient heating and cooling equipment; lighting technologies and daylighting design that lower energy consumption.

After lunch - 3:15 pm

#### **Case Studies and Practical Applications**

You will hear lessons learned and strategies employed by three Kentucky school districts to attain their high performance schools. They will describe design methods, the technologies installed and the challenges and successes they encountered.

### **TRACK 2: ENERGY MANAGEMENT FOR EXISTING SCHOOLS**

8:00 am - lunch

#### **Goals and Strategies**

Presenters will guide participants through the process of designing an energy plan, reviewing energy bills and negotiating rate changes with utility providers. Three tiers of energy savings will be discussed: no cost, low cost and life-cycle payback.

After lunch - 3:15 pm

**Resources** will be provided to help monitor energy usage in the four major energy consuming areas of the school: building shell, HVAC, lighting and occupant behavior. The session will end with time to prepare an energy plan you can take back to your district.

# High Performance Sustainable Schools

MARCH 18 - 19, 2008

LOUISVILLE MARRIOTT EAST • 1903 EMBASSY SQUARE BOULEVARD • LOUISVILLE, KENTUCKY 40299



*"Keeping within budget must be our promise to district taxpayers. Providing excellent learning opportunities must be our mission and promise to students."*

—Ron Bratlie

## KEYNOTE SPEAKER

Ron Bratlie was involved in the construction of the first high performance high school, and the first LEED certified school in Minnesota. This LEED certified school came in under budget, saves \$50,000 in energy costs annually and was selected by the U.S. EPA as the national school model for energy and indoor air quality design in 2005.

## CONTINUING EDUCATION

- Effective Instructional Leadership Act (6 EILA hours)
- Kentucky School Boards Association (up to 13.25 KSBA hours)
- American Institute of Architects (up to 13.25 AIA/CES Learning Units).

## LODGING

A block of rooms is being held at the Louisville Marriott East in Louisville, KY at a discounted rate of \$97. For reservations, call the hotel at (502) 499-6220 no later than March 3, 2008. To receive the reduced rate, indicate that you are with the *High Performance Sustainable Schools Workshop*.

### Questions about the workshop?

Call 859-547-8008 or email [pproctor@need.org](mailto:pproctor@need.org).

## HIGH PERFORMANCE DESIGN: What if you could design the school of your dreams? What if you could save your district money for years to come?

Is your district planning to build or renovate a school in the next few years? If you are an architect or engineer, do you have school clients concerned about the rising costs of operating school buildings? This two-day workshop will present a building process that can yield high performance buildings that come in on budget and can save operational dollars for years to come. Discuss decisions that should be considered now—before you begin—to create high performance, energy efficient schools with healthy learning environments for your students and teachers.

## HIGH PERFORMANCE OPERATION: Controlling the 800 pound gorilla in your operating budget—energy.

Track 2 on Day Two will provide low-cost and no-cost practices that may reduce energy expenses up to 15 percent or more. Attendees will receive resources and discuss strategies for creating and implementing a district-wide energy management plan.

## REGISTRATION FORM

### 1. REGISTRANT INFORMATION *Please submit a completed form for each attendee.*

First Name (as you would like it to be printed on your badge) \_\_\_\_\_  
 Last Name \_\_\_\_\_ Title/Position \_\_\_\_\_  
 School District/Firm \_\_\_\_\_  
 Address \_\_\_\_\_  
 City/State/Zip \_\_\_\_\_  
 Phone \_\_\_\_\_ E-mail \_\_\_\_\_

### 2. REGISTRATION FEE

School or 501 (c) 3 Employee: ☐ \$50 (one day) ☐ \$75 (two days)  
 Business Professional: ☐ \$125 (one day) ☐ \$200 (two days)

### 3. DAYS ATTENDING

☐ Day One (March 18) ☐ Day Two (March 19) ☐ Two-day (March 18-19)

*If attending day two (March 19), please select one of the tracks below:*

☐ Track 1: new construction ☐ Track 2: managing energy in existing schools

### 4. PAYMENT

☐ Check to The NEED Project ☐ Purchase Order # (please submit purchase order with registration form) ☐ Credit Card

I authorize The NEED Project to charge my ☐ Visa ☐ MasterCard ☐ AMEX

Cardholder name (as shown on card): \_\_\_\_\_

Account no. \_\_\_\_\_ Expiration date \_\_\_\_\_

Billing address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

**REGISTER BY FAX: 800-847-1820**

**BY MAIL: The NEED Project  
8408 Kao Circle  
Manassas, VA 20110**

**CANCELLATION POLICY:** After March 10, 2008, no refunds will be made on cancellations.